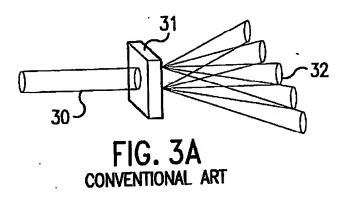


First Inventor: David R. BROWNDocket: MEMS-0131-D1
Title: OFF-AXIS DIFFRACTIVE BEAM SHAPERS AND SPLITTERS FOR REDUCING SENSITIVITY TO MANUFACTURING TOLERANCE
Sheet 2 of 9



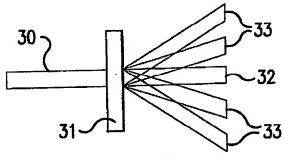


FIG. 3B CONVENTIONAL ART

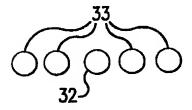
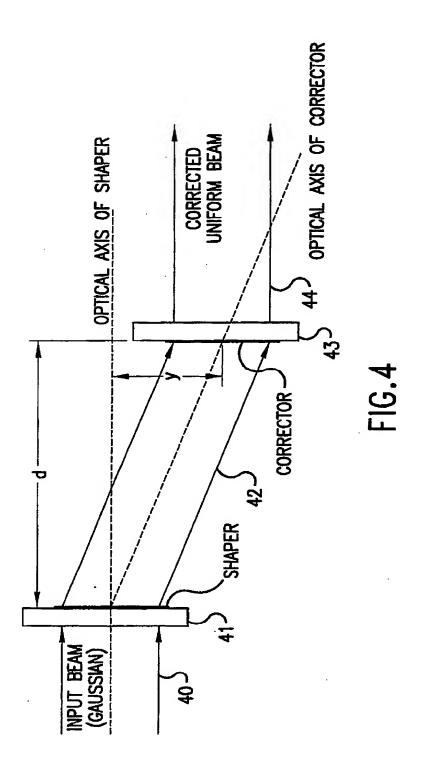


FIG. 3C CONVENTIONAL ART



First Inventor: David R. BROWNDocket: MEMS-0131-D1 Title: OFF-AXIS DIFFRACTIVE BEAM SHAPERS AND SPLITTERS FOR REDUCING SENSITIVITY TO MANUFACTURING TOLERANCE Sheet 4 of 9

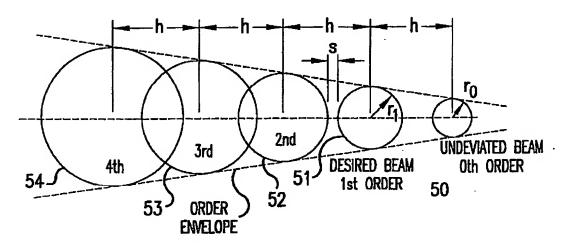
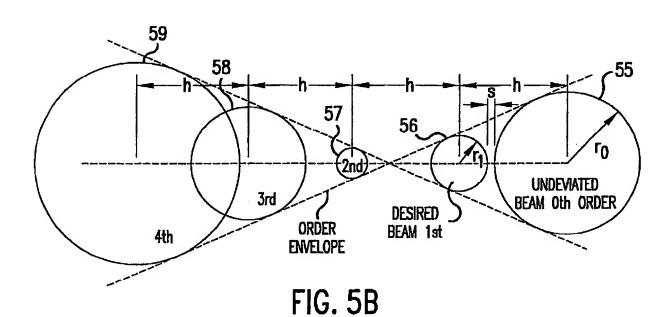
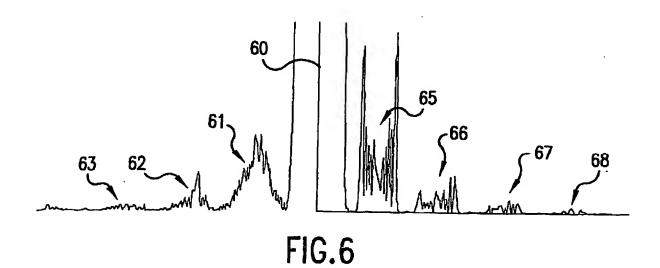


FIG. 5A





BEAM INTENSITY
WIDTH

FIG.7

First Inventor: David R. BROWNDocket: MEMS-0131-D1
Title: OFF-AXIS DIFFRACTIVE BEAM SHAPERS AND SPLITTERS FOR REDUCING SENSITIVITY TO MANUFACTURING TOLERANCE
Sheet 6 of 9

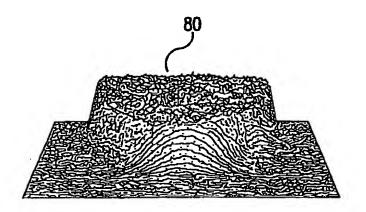
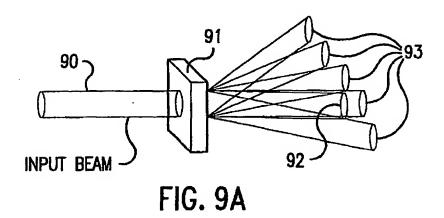
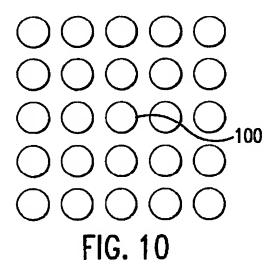


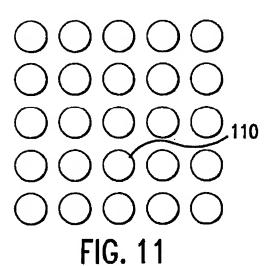
FIG.8



93 92 FIG. 9B

First Inventor: David R. BROWNDocket: MEMS-0131-D1 Title: OFF-AXIS DIFFRACTIVE BEAM SHAPERS AND SPLITTERS FOR REDUCING SENSITIVITY TO MANUFACTURING TOLERANCE Sheet 8 of 9





	120 0000	SIGNAL ENERGY
	00000	,
	00000000 00000000 000000000)
	00000000000000000000000000000000000000	NOISE
ر 121	00000000000)
	00000000	
	00000000)

FIG. 12